

2026–2027 Curriculum	
MODULE 1: LAYING THE FOUNDATION Dates: 9/24, 10/8, 10/22 1. Connecting with the Literature – What Has Already Been Done? 2. Reviewing a Manuscript – Are the Results of the Study Valid? 3. Protecting Our Research Participants MODULE 2: COLLECTING HIGH QUALITY QUALITATIVE DATA Dates: 11/5, 11/19, 12/10 4. Facilitating Focus Groups: Preparation, Moderation & Reporting 5. Delphi, Nominal Group & RAND Methods for Consensus Research 6. Collecting Observational Data: Instrument Design & Interrater Reliability MODULE 3: INCORPORATING THEORY INTO YOUR RESEARCH Dates: 12/17, 1/7 7. Theoretical & Conceptual Models: Foundations and Common Learning Theories 8. Theoretical & Conceptual Models: Philosophical Paradigms & Linking Theory to Methodology	MODULE 4: MIXED METHODS RESEARCH Dates: 1/21, 2/11 9. Introduction to Mixed Methods Research 10. Mixed Methods: Integration, Reporting, and Creating Instruments MODULE 5: PROJECT SHARING AND FEEDBACK Dates: 2/25, 3/11 11. Opportunity to share your project and receive peer and instructor feedback on any aspect (e.g., study design, survey, focus group guide, manuscript) 12. You can sign up in the fall to share your work in progress. We will also schedule 1:1 consulting time for anyone interested in more individual feedback MODULE 6: INTRODUCTION TO CURRICULUM DESIGN & ASSESSMENT Dates: 3/25, 4/8, 4/29 13. Curriculum Development: Needs Assessment & Writing Learning Objectives 14. Instructional Design: Models, Theories & Cognitive Load 15. Evaluation Approaches, Validity & Reliability

2027–2028 Curriculum (subject to change)	
MODULE 1: INTRODUCTION TO EDUCATIONAL RESEARCH DESIGN 1. Getting started: formulating research questions, deciding on quantitative, qualitative, or mixed methods 2. Educational research design, constructs, and outcome measures 3. Identifying suitable quantitative and qualitative methods: A study design for your research question MODULE 2: SURVEY DESIGN & IMPLEMENTATION 4. Fundamentals of survey design: steps in survey development; survey items, response types; measuring knowledge/attitudes/skills/behaviors 5. Evidence-based survey practices: survey flow, sampling, cognitive interviewing, pilot testing, creating survey items, choosing response scales 6. Sources of bias in survey research; threats to validity; survey implementation & optimizing response rates MODULE 3: SURVEY DATA ANALYSIS & REPORTING 7. Statistics 101: variable types; analyzing survey data using statistical software 8. Statistics 101: Descriptive statistics; power & sample size determination; reporting results	MODULE 4: QUALITATIVE RESEARCH DESIGN, IMPLEMENTATION, ANALYSIS, & REPORTING 9. Overview of different qualitative approaches in education research: grounded theory, phenomenology, ethnography, narrative approaches, & case studies 10. Interview and focus groups; developing interview guides, conducting interviews & focus groups 11. Choosing your analytic method for interview/focus group data; Introduction to content analysis & thematic analysis and deductive vs inductive coding 12. Qualitative validity and trustworthiness; writing up your qualitative analysis using reporting guides MODULE 5: EDUCATIONAL LEARNING THEORIES & METHODS 13. Clinical reasoning skills and metacognition research 14. Learning with others: Learning environment research and social approaches to learning theories 15. Using AI in educational research and methods MODULE 6: WRITING IT UP 16. Publishing your medical education scholarship 17. Writing workshop: Focus on titles, abstracts, and introductions